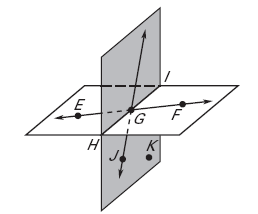
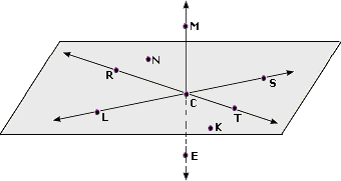
HW#1: Points, Lines & Plane Geometry

Geometry

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

Complete the following questions in your graph paper notebook. Label the top of your page with the assignment title. When directions say to “draw this figure”, make sure to accurately copy the figure into your notebook with appropriate notation.

1. What is the difference between a ray and a line? (Answer in complete sentences and use figures in your explanation).
2. Sketch and label an example of each of the following:
   1. Line
   2. Ray
   3. Point
   4. Segment
   5. A line with 3 collinear points
3. Draw this figure in your notebook and use it to answer the following questions.
   1. Name all lines (using correct notation) that are seen in the figure.
   2. Name all the points in the figure.
   3. Where do the two lines intersect?
   4. Which 3 points are collinear?
4. Name at least 3 sets of 3 points in the figure that are collinear. (Do not draw this figure).
   1. Set A:
   2. Set B:
   3. Set C:
5. Prep for tomorrow!
   1. Draw this figure in your notebook and use it to properly name all of the angles visible in the figure.
   2. Label the angles you named from part (a) as acute, obtuse, right or straight.

